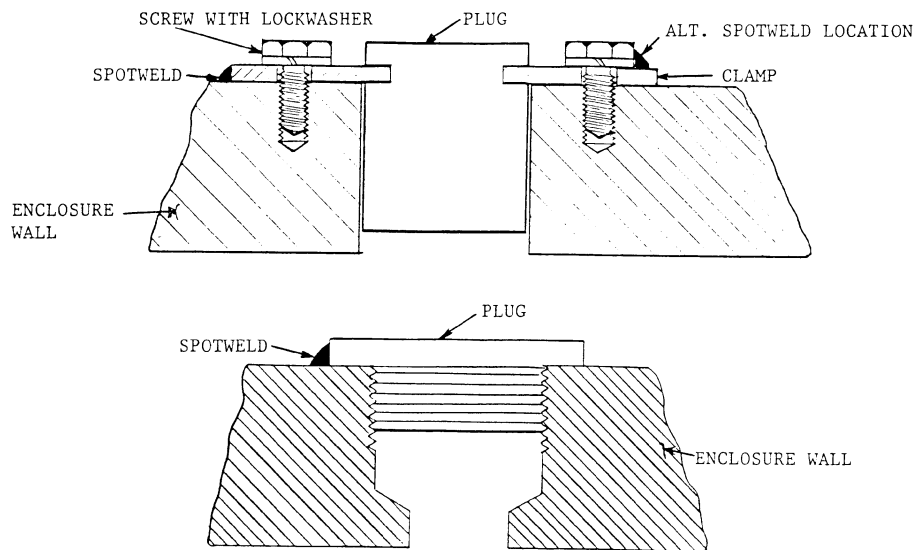


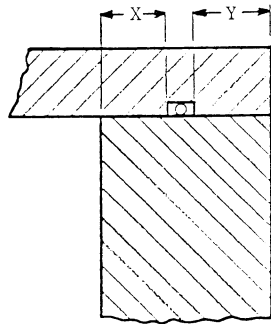
APPENDIX I TO SUBPART J OF PART 7

Appendix I to Subpart J—Figures J-1 through J-14



WELD (OR BRAZE) MAY BE ON PLUG, CLAMP, OR FASTENING

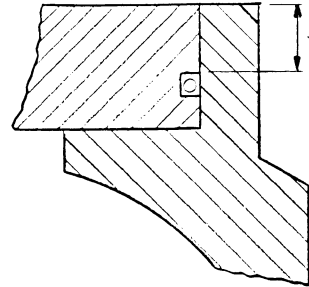
FIGURE J-1



$X + Y = \text{MIN. ACCEPTABLE FLAME-ARRESTING PATH LENGTH}$

$$Y = \frac{X + Y}{2}$$

FIGURE J-2



$Y = 1/2" \text{ MIN.}$

FIGURE J-3

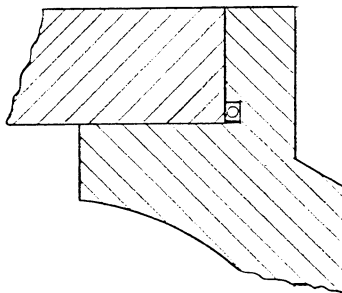
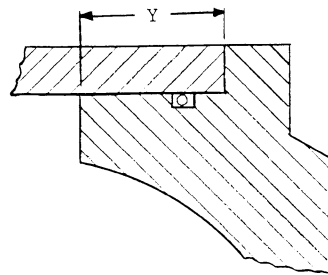
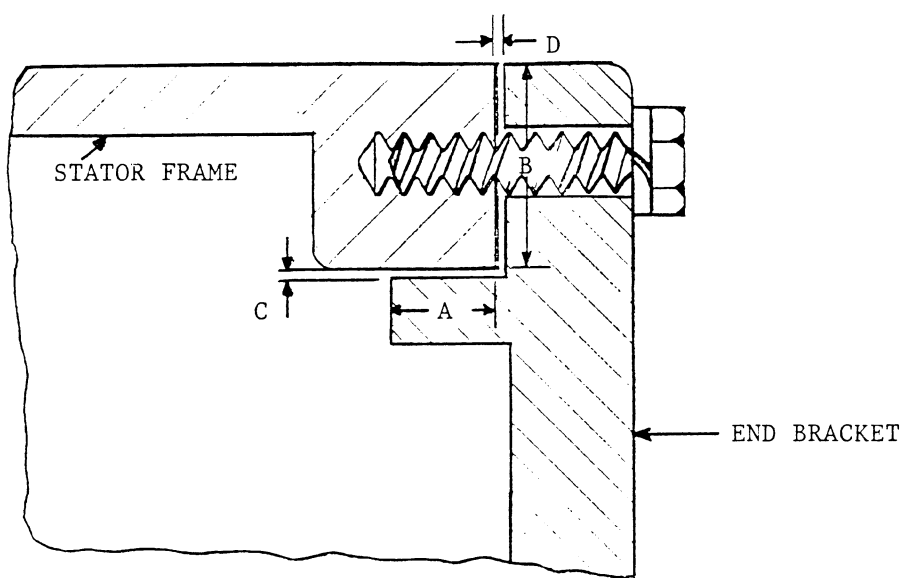


FIGURE J-4



O-RING CAN BE LOCATED ANYWHERE ALONG LENGTH OF (Y).

FIGURE J-5



A = Width of Axial Portion

B = Width of Clamped Radial Portion

C = Clearance of Axial Portion

D = Clearance of Radial Portion

Total Width of Flamepath = A + B

FIGURE J-6

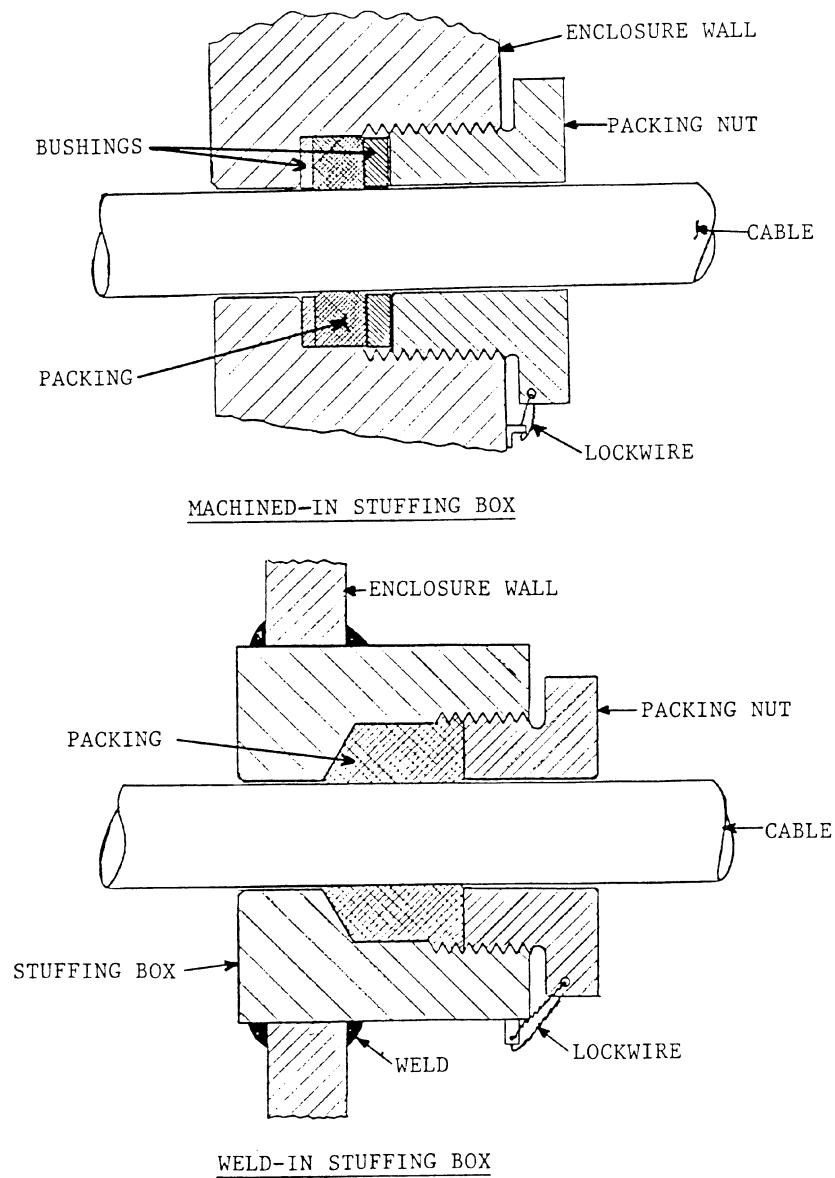


FIGURE J-7

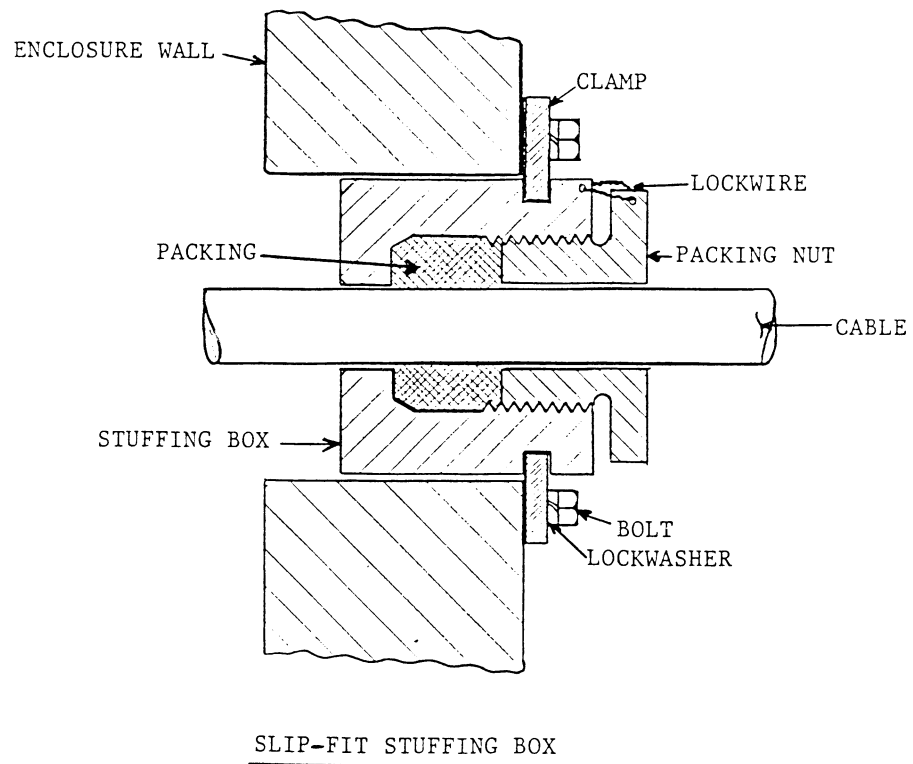


FIGURE J-7

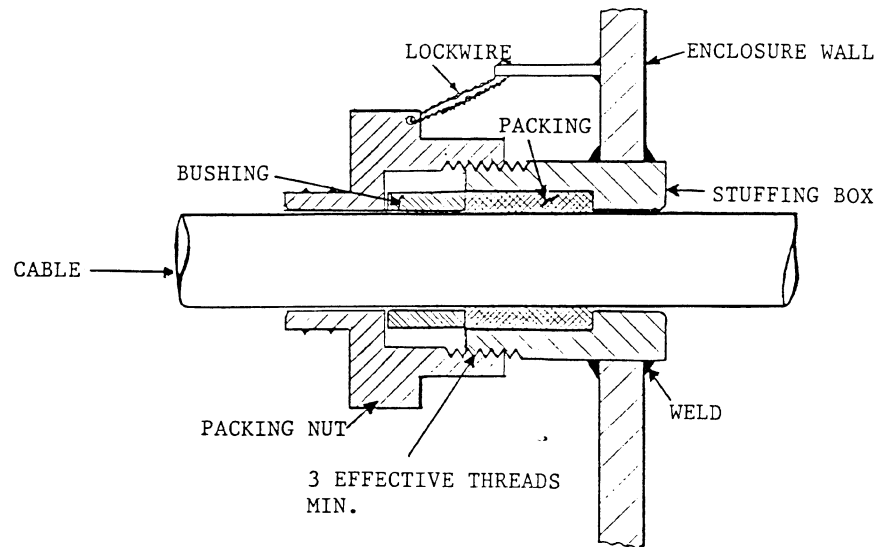


FIGURE J-8

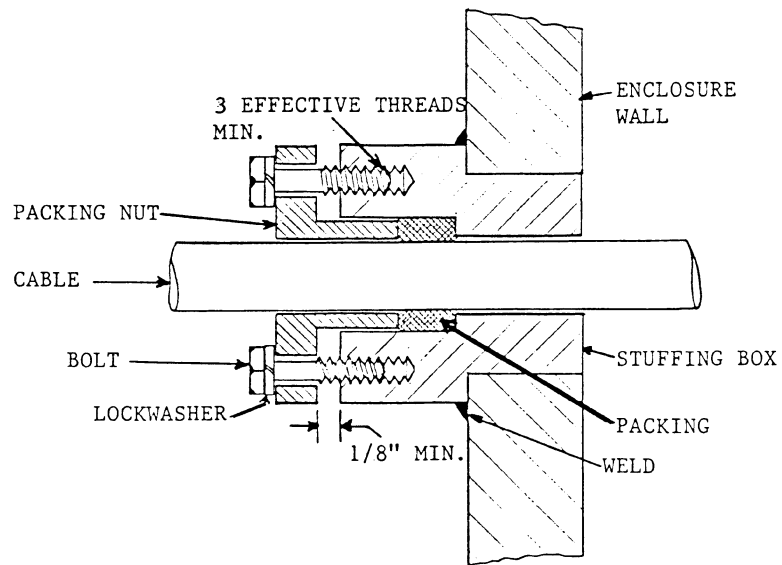


FIGURE J-9

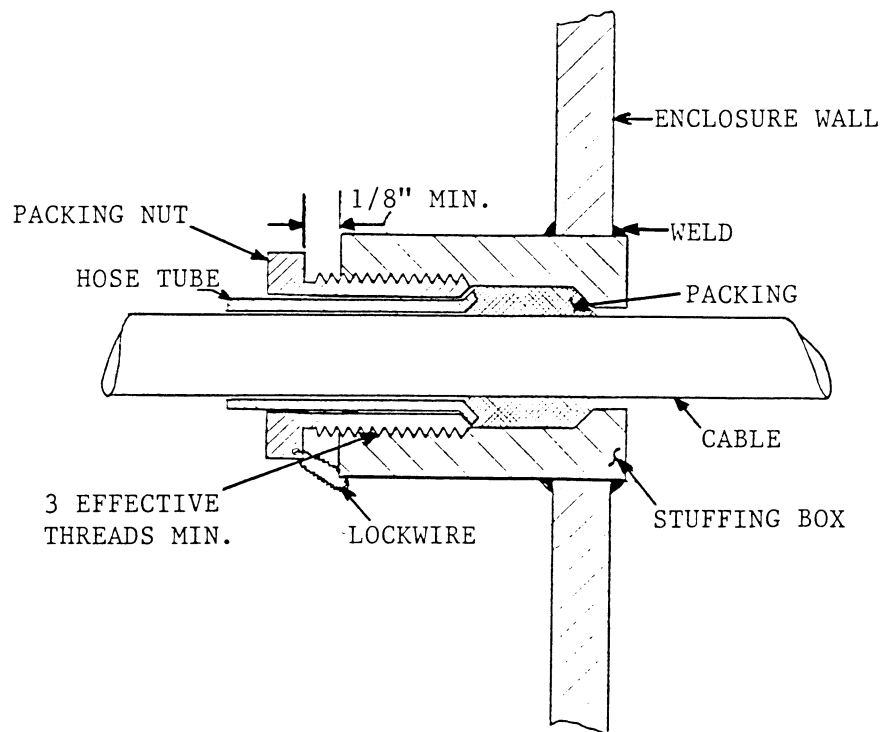


FIGURE J-10

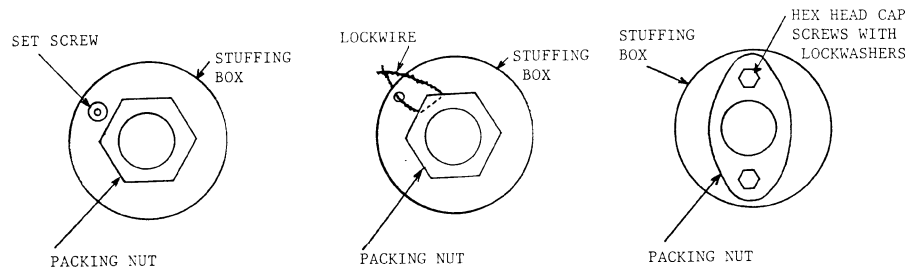
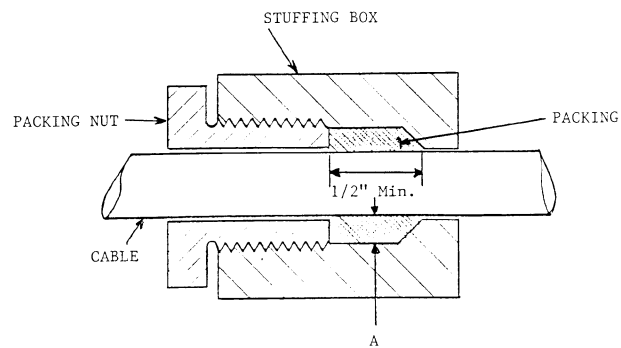
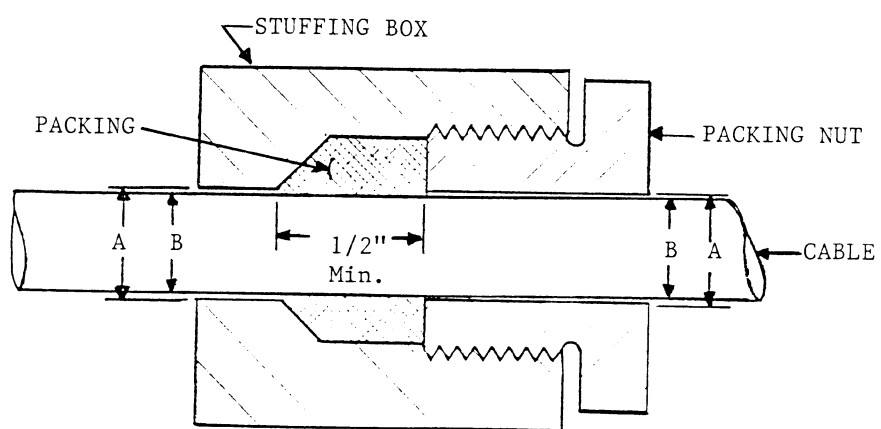


FIGURE J-11



$A \leq 150\%$  of Packing Material Diameter or Width

FIGURE J-12



$A - B \leq 75\%$  of Packing Material Diameter or Width

FIGURE J-13

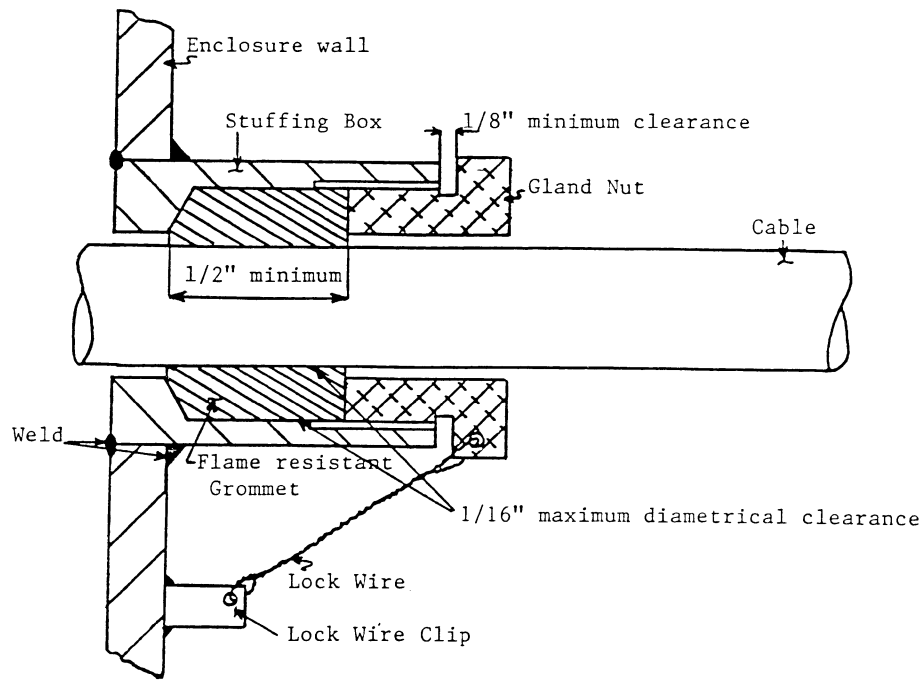


FIGURE J-14

### Subpart K—Electric Cables, Signaling Cables, and Cable Splice Kits

SOURCE: 57 FR 61220, Dec. 23, 1992, unless otherwise noted.

#### § 7.401 Purpose and effective date.

This subpart establishes the flame-resistant requirements for approval of electric cables, signaling cables and cable splice kit designs. Applications for approval or extension of approval submitted after February 22, 1994 shall meet the requirements of this subpart.

#### § 7.402 Definitions.

The following definitions apply in this subpart.

**Component.** Any material in a cable splice kit which becomes part of a splice.

**Conductor.** A bare or insulated wire or combination of wires not insulated from one another, suitable for carrying an electric current.

**Electric Cable.** An assembly of one or more insulated conductors of electric current under a common or integral jacket. A cable may also contain one or more uninsulated conductors.

**Jacket.** A nonmetallic abrasion-resistant outer covering of a cable or splice.

**Power Conductor.** An insulated conductor of a cable assembly through which the primary electric current or power is transmitted.

**Signaling Cable.** A fiber optic cable, or a cable containing electric conductors of a cross-sectional area less than #14 AWG used where the circuit cannot deliver currents which would increase conductor temperatures beyond that established for the current-carrying capacity of the conductors.